



**Response under 37 C.F.R. 1.116  
- Expedited Examining Procedure -  
Examining Group 2623**

**MAIL STOP AF  
81360RLW**

Customer No. 01333

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Nathan D. Cahill

# POPULATION MIXTURE MODELING WITH AN INDETERMINATE NUMBER OF SUB-POPULATIONS

Serial No. 09/833,377

Filed 12 April 2001

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Group Art Unit: 2623

Examiner: Kevin Siangchin

I hereby certify that this correspondence is being deposited today with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Quita Marie Barker

Anita Marie Barker

May 12, 2005  
Date

## **Response Under 37 CFR 1.116**

In response to the final office action mailed January 12, 2005, please amend the above-identified application, without prejudice, as set forth below:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Amendments to the Drawings begin on page 9 of this paper and include an attached replacement sheets.**

**Remarks/Arguments begin on page 10 of this paper.**